Bangalore Development Authority

Name of the Work :Providing LED Street Lights with Centralized Control and Monitoring System (CCMS) for sector 1 to 9 at Dr K Shivarama Karanata Layout, BDA, Bengaluru

Tender No. BDA/2025-26/EL/WORK_INDENT93

Pre Bid Queries and Clarification

Sln	Clause no.	As Per Bid Document	Queries / Sugessions with Justification	Clarifcation by BDA
1	SECTION 1	Bidding Documents along with Drawings are available on website with hyperlink 'E Procurement https://kppp.karnataka.gov.in. Tender Documents along with drawings and bidding formats are available 'Free of Cost' to bidders.	There are no drawings in the tender document. We request you to provide the same.	Layout Drawings/ information can be referred at office of the Executive Engineer (Electrical) , BDA during office hours
2	1.2 Scope of Tender	The basic components are smart street lighting solutions are as : LED Street Light with inbuilt RF Controller , IOT Gateway , GCMS/CCMS & Cloud	inbuilt RF Controller is not feasible, kindly remove the clause.	Tender Condition Prevails
3	Note: i	i. The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.	It is not feasible to arrange countersign on statement from different govt clients. Kindly remove the requirement of counter sign. The self declaration can be sufficient.	Ref Addendum Note (i) has been modified as i) The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent. Or the Charted Accountant (CA)of bidder Supported with Work Order and latest Audited RA Bill of the respective work listed in the statement (GO No. FD 6 PCL 2006 , Bangalore dated 21-03-2007
4	10.5	Bidders are required to upload a certificate in this regard as per the format provided in special conditions of contract in sealed envelope along with other documents.	We understand the bids are to be submitted online only and no other documents to be submitted physically except EMD BG.	Yes, understanding is correct . Hard Copy of the BG to be submitted to BDA on or before last date of Submission of bids
5	1.3	Note: The documentary proof of fulfilling the qualifying requirements shall be uploaded along with the bid. The bidder shall upload the Work Done Certificates, Performance Certificates issued by end users not below the rank of Executive/ Divisional Engineer along with the bid.	We request you to change the clause as Work Done Certificates OR Performance Certificates. As it may not be feasible to arrange performance certificates within the bidding time from govt clients.	Ref Addendum Bidder to submit Work done certification along with performance certificate by the concerned authority clearly mentioning performance of the system during O&M stage for the work for which work done certificate is submitted
6	ANX-V	POWER OF ATTORNEY	We request you to accept General power of attorny instead of specific POA.	Tender Condition Prevails
7	35.1	35.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.	Please let us know the lower % limit of quantity.	Tender Condition Prevails
8	46	46. TAKING OVER: The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion	We request you to takeclusterwise handover on prorata basis and warranrty/O&M also to be initiated on pro rata basis..	Tender Condition Prevails
9	5	Payment terms	There are 3 types of items in BOQ Viz SITC, Supply & service. The payment schedule is not clear. 'C' part is not defined. Plesae give clarity.	A+B+C to be read as A+B

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Executive Engineer (Ele.,)
Electrical Division
B.D.A. Bengaluru

Sln	Clause no.	As Per Bid Document	Queries / Sugessions with Justification	Clarifcation by BDA
10	6	6 Defects Liability Period/Guarantee:	Let us know whether Cable is alos covered in the DLP	Yes, Cable also covered in the DLP
11	j	The Selected Bidder will have total responsibility of warranty and maintenance for the contract period of ten years.	Please corerct the contract period as 5 years	Ref Addendum The Selected Bidder will have total responsibility of warranty and maintenance for the contract period of 05 years
12	h	The Selected Bidder shall make all the LED fixtures operational within a period of 9 (six) months after award of contract.	Please correct the period.	Ref Addendum The Selected Bidder shall make all the LED fixtures operational within a period of 8 Eight months after award of contract.
13	j, r	(j) The Selected Bidder will have full responsibility of warranty of LED's/fixture for life of the project for 10 years and warrantee will start from the date of successful commissioning of the switching points.	Plesae correct the period as 5 years instead of 10 years.	Ref Addendum The Selected Bidder will have full responsibility of warranty of LED's/fixture for life of the project for 5 years and warrantee will start from the date of successful commissioning of the switching
14	v	(v) After a successful completion of the Project all material/ accessories installed by the Selected Bidder during the Project will be property of the BDA. The Bidder shall follow procedure detailed in this document to hand over the site in satisfactory and working condition to BDA at the end of the Contract period.	We request you to take clusterwise handover on prorata basis and warranrty/O&M also to be initiated on pro rata basis..	Tender Condition Prevails
15	7	Advance Payment:	What should be the validity period for Advance BG?	Tender Condition Prevails
16	(F)	The Selected Bidder will have total responsibility of warranty and maintenance for the contract period of ten years. The Selected Bidder should open his site office for smooth execution and maintenance of the Project. The Selected Bidder has to maintain necessary equipment on site which is required for implementation and maintenance of the project activities. The Selected Bidder shall maintain proper records and registers for the daily maintenance activities. They have to depute necessary technical and other staff for the	The warranty and maintenance tenure is mentioned as 10 years. But previous pages and BOQ mention 5 years. Kindly clarify.	Ref Addendum Warranty and Maintenance tenure is 5 years from the date of completion .
17	(h)	The Selected Bidder shall make all the LED fixtures operational within a period of 9 (six) months after award of contract as per the schedule submitted by the Bidder or as per the instructions of BDA.	The period for making the system operational is 8 months in previous sections of tender. In this clause it is mentioned as 9 months. Kindly clarify.	Ref Addendum The Selected Bidder shall make all the LED fixtures operational within a period of 8 (eight) months after award of contract as per the schedule submitted by the Bidder or as per
18	(j)	The Selected Bidder will have full responsibility of warranty of LED's/fixture for life of the project for 10 years and warrantee will start from the date of successful commissioning of the switching points.	The period for warranty in RFP pages and BOQ is mentioned as 5 years from dat eof commissioning in previous sections of tender. In this clause it is mentioned as 10 years. Kindly clarify.	Ref Addendum The Selected Bidder will have full responsibility of warranty of LED's/fixture for life of the project for 05 years and warrantee will start from the date of successful commissioning of the switching
19	(q)	The LED street lights installed to be linked with GIS/SCADA/CCMS appropriate remote monitoring and verifying system to ensure information on energy savings. Any failures or nonfunctioning lights beyond 48 (forty-eight) hours would be penalized as per this Tender terms	Integration with SCADA is possible. Please specify the communication protocol that needs to be followed for integration, whether MODBUS TCP, BacNet or Open APIs like Restful APIs. Requesting clafication.	Open APIs to be followed
20	(r)	The life of the Project shall be minimum eight years.	The warranty and maintenance tenure is mentioned as 10 years. But previous pages and BOQ mention 5 years. Kindly clarify.	The life of the Project shall be minimum 50,000 burn hours with Lux level not less than the specifed in the tender

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21	(t)	The Control System being centralized shall be operated 24x7 at the designated location to be prescribed and allocated by BDA to always remain accessible to the staff of BDA.	Kindly clarify if there will be provisioning of internet backhaul for the control system machine like laptop / desktop.	Contractor has to make his own arrangement for suitable internet facility including all ncessary hardware and software
22	GENERAL CONSTRUCTION:	Rated Voltage 90 - 270 volts AC	Luminaires in India are designed and accepted by BIS for an operating range if 140-270Vac, 50Hz. Request you to amend the clause to the acceptable voltage range.	Rated voltage 100-270 volts.
23	Title of section	WIFI Based Streetlight automation	Request to amend as RF and 4G based streetlighting system as in tender title.	The system enabled with 4G (to be upgraded to 5G or advanced protocol at the time of handing over as per the directions of Engineering in Charge)
24	Solution components – lighting automation - Sr. No. 2	It shall be class 1 ISI mark energy meter with interface of radio based on sub 1 GHz LPRF technology.	Requests you to amend to a standard energy meter that communicates with the RTU on a RS232/485 protocol. If so a wireless smart energy meter is required, request to consider a 4G LTE enabled meter.	In addition to the specification provided in the bid document, the Intelligent Feeder Pillar with CCMS panel must have the separate smart Energy Meter/Multi function Meter other than BESCOM Smart Energy Meter that supports communication with RTU on RS232/485 protocol through wireless communication.
25	Solution components – lighting automation - Sr. No. 2	The Smartmeter shall be a part of a mesh network and support two-way communication with the cloud based lighting management server software	All parameters can be relayed to RTU inside the panel via RS232/485 protocol and can then be relayed to the cloud via the 4G GSm network. Smart meter on RF Mesh is redundant. Requesting an amendment	
26	s	(s) The Selected Bidder shall maintain a call center to attend to complaints received by phone calls, mails, faxes, SMS etc. It shall have permanent employees to rectify complaints, routine maintenance etc. on 24x7 basis and will daily submit the reports of switching points in BDA office.	1) Please let us know who will provide the space for call centre & Storage facilities. 2) Let us know whether infrastructure for the storage/call centre shall be provided by BDA	Contractor to make his own Space for call centre & Storage facilities with in DSKL project boundary and before handing over the facilities to be shifted to the space provided by the BDA
27	Sr.10 & 11	Wiring for lighting/power circuit	Quantity mentioned in the BOQ is too small w.r.t. the quantity of Luminaires. Please check and confirm.	Refer Addendum
28	Sr. 23,24, 25	Item Description: Fabrication, Supplying, Erection, Testing and Commissioning of ..... ms long Polygon high mast with Single/Multiple telescopic sections having, (minimum overlap distance of 1.5 times of top section) thickness as per BSEN 10025 grades 355 JO/ ASTM A572-50 steel sheet plate for shaft suitable to withstand a wind velocity of 47 m/s as per IS 875 part 3(as per GA Drawing).	GA drawings are not provided in the tender as mentioned in the item description. 1) Please mentioned the exact height of Mast in the description, 2) Plesae provide orientation of the luminaires and quantity of luminaires per Mast 3) Mast to be supplied with 3mm thick template: Does it mean thikness of Highmast shaft?	Ref Estimate Work sheet in the e-portal .
29	Sr. 26	Digging of Pit for providing GI Pipe type Earthing - Ordinary Soil	Quantity of Pit is not matching with quantity of other earthing items. Please check and confirm.	Tender Condition Prevails
30	Sr. 32	Fixing halogen/metal halide /SVL/IL/LED floodlight fitting over existing pole / wall ceiling	The quantity is not matching with the quantity of Floodlights	Tender Condition Prevails

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Sln	Clause no.	As Per Bid Document	Queries / Sugessions with Justification	Clarifcation by BDA
31	Sr. 34	Item Code: ele34 Item Description: Supplying and laying HDPE PERMANENTLY LUBRICATED DUCTS OF 50/42 mm dia for drawing steetlight cables etc., Complete with all lead and lift as per the instruction of Engineer in charge of work complete with all lead and lift, as perKPWD norms and direction of the engineer in	Please consider DWC HDPE pipe. PERMANENTLY LUBRICATED DUCTS are not required for lighting. Those are used for communication cables/wires.	Tender Condition Prevails
32	Sr. 40	Item Description: Fabricating supplying and mounting MS box made out ....SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper	What is the application of this item	Item and specifcation is meant for High Mast Control Box
33	Sr. 42	Item Code: ele42 Item Description: Supplying and fixing hylum plastic sheet	What is the application of this item	Item and specifcation is ment for High Mast Control Box
34	--	Earthing:	Earthing of pole item seems to be missing in BOQ. Is it in the scope or not?	Scope of works is for Earthing of highmast, Control Box & IFPs only
35	--	Cable termination at pole end	Termination at pole item seems to be missing in BOQ.	Provision made in the Estimate
36	6.1	Defects Liability Period/Guarantee:	**(60 Months)** whether 24X7 assistance is required at site. (or) whenever the complaint arises that can be cleared by within some TAT (48-72) hours approx. Kindly confirm.	Tender Condition Prevails
37	41.3.3	Supply and fixing of Street light Fixtures along with automation Equipments with trail and running in complete.	Can the activity time line increased to 8 months.	Tender Condition Prevails
38	a(III)	Six consecutive existing street light poles of the street light segment at different locations as directed by the committee shall be tested with the LED Street light fixtures proposed to be supplied by the Bidder.	any specific wattage of fixture to be demonstrated. Kindly confirm.	Suceesful bidder must give the demonstration prior to the finalization of the product GTPs as per the direction of the Engineer in charge.
39		BOQ (Line of items)	Hard rock cutting is no where mentioned for Cable trench or Highmast foundation - excavation in the BOQ items. if it encounters at site - whether it can be considered as extra item of BOQ during execution of the project. Kindly confirm.	Tender Condition Prevails
40	c	LIGHTING RECOMMENDATION FOR DIFFERENT ROAD TYPE – IS CLASSSIFICATION (As per IS : SP 72 -2010)	Please do confirm if any design is required to be submitted with Bid. We request you to provide layout. Without preparing design we can't confirm on lux level.	Tender Condition Prevails
41	BOQ	BOQ (Line of items-34/35/36)- HDPE pipe/4cX16sqmm/3.5X35Sqmm Cables	Almost 29Kms cable has been given in BOQ - as per site visit near yelhanka - avalahalli / presidency school etc., already loop in loop out cables and power supply cables layed at site. Kindly confirm where the qtys(29Kms cables) shall be executed	Ref Estimate Work sheet in the e-portal . Furthe tender Condition Prevails
42		Due Date for Bid submission: 23/04/25	In view of the volume and scope of the project, we request you to extend the date of Bid submission by further 2 weeks for carrying out survey and work on the best solution as per requirement of the project.	Tender Condition Prevails

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